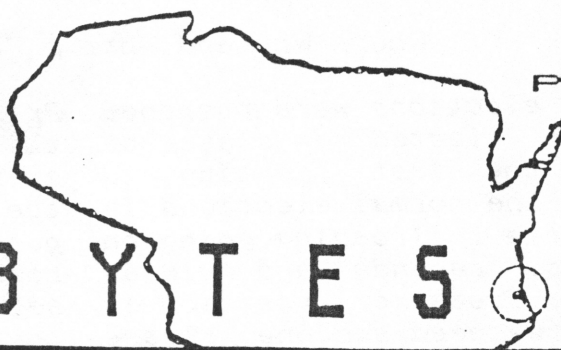


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Volume 7, Number 6
July 1990

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THIS MONTH:

- Election Results - Who's
Who and What's What
- Rudy's SQ Notes

- Presidents Message

- A Newly Discovered "OPEN"
For The QL.
- And Other Great Things

If any articles are copied
please credit SMUG BYTES
and the author.

NEXT MEETING DATE: 08/06/90

Send all contributions by the
3rd Wednesday of the month to:

Bill Heberlein
Editor
SMUG BYTES
5052 N. 91st Street
Milwaukee WI 53225

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- 353 4522

*V. Pres. - Neal Schultz

- 527 2191

*Secretary - Bud Dankert

- 321 0694

*Treasurer - A. Doneis

- 344 4694

*Education - R. Cultice

- 542 3591

* - Librarians

*Tape/Disk - E. Pawlowski

1 - 338 0260

*Book - D. Nickel

1 - 284 9691

* - Sub Group Leaders

*"C" - R. Cultice

Meeting Alt. Sundays of the month

- 542 3591

*Games - N. Schultz

Meeting 3rd Saturday of the month

- 353 4522

*Hardware - G. Kraemer

*Meet-no set date. Call for info.

- 421 0179

*QL - R. Hilsmann

*Meeting 3rd Wednesday of month

- 251 5291

*Spectrum - R. Hilsmann

*Meeting 3rd Wednesday of month

- 251 5291

Who's Who and What's What! The Elections

President. The only one running for this thankless job was our very own ex-President Neal Schultz. Neal took the job as no-one volunteered for the position. Glad you are still on the board. The Treasurer's position was set aside until the next meeting so the Expo records can be brought up to date. The president position was won? by Bill Heberlein.

Now for the results of the elections: All who were elected to a position ran unopposed and were elected by unanimous acclimation. The Secretary is Bud Dankert. Bud has been a member of SMUG for many years and new to the board. The next position is for Vice

Lets all pull together to support the new board and make this a banner year. We have added new members but our membership is still down. Think more.

"SQ" NOTES

BY R.A.HILSMANN

After my yearly pilgrimage to Europe, back to the keyboard for the final edition of the Checkbook & Budget Manager. This month I will give you the information on how to run the program.

Actually the program explains itself as you run it, but then I can talk easy since I wrote it, and of course know precicely what each routine can do, and not do. A lot of work has gone into this program over a few years. I wrote the first version for the ZX81 and it is still available, but the ZX81 (or Timex 1000) would have to be expanded to 64K to handle this program. Perhaps one day in the future I will write the last version of this program for an IBM compatible, unless a program of better quality is available for such a machine. But till then the 2068 does a fine job.

Now a tour of the Checkbook & Budget Manager program:

Upon running the program, the first prompt will ask you for the Paper color, enter your choice "0" to "7". The next screen, after you enter your choice of color, will be asking you for the date, enter only numbers, as in "7/20/90", do not enter the month as "July", but as a "7". You may also use the form "7.20.90" which I prefer since the "point" CHR\$ is located next to the "Symbol Shift" key. It is important that you enter the date, so dont skip over it by pressing "Enter".

Following all this will be the question "Do you wish to load data (Y/N)". Since you are initializing the program for the first time, enter "N" (of course at a later date, after you have entered and saved the data, you should reload excisting data by pressing "Y"). The next prompt will ask you how many transactions you wish this program to process.

Here you may like to enter the maximum number of checks & deposits you expect to write in a year or if this number is higher than 500 for a year, split the year, and enter the number for a half year. Make sure you have some for reserve. Also keep in mind that the T/S 2068 when run in the Timex mode may not hold as many transactions as when run in the Sinclair (emulated) mode.

After you have entered the number of transactions you like the program to process, you will be asked to enter your starting balance. No need to explain this further I hope. Next the screen will clear, and the following will appear:

"There are 24 outgoing accounts and 4 income accounts which you can title and dimension.

Enter the title and the amount budgeted per year for all acc. Press any key to continue."

What this means is; the 24 outgoing accounts and the 4 incoming accounts need a name, and you need also enter the amount budgeted for the whole year. For instance, under "A" you may enter "AUTOMOTIVE" as a title (it keeps things simple, and easy to remember that "A" is "AUTOMOTIVE"). Figure the amount you need for automotive expense for the whole year and enter it when asked.

Here a few sugestions for titles:

- A) AUTOMOTIVE
- B) BANK EXP.
- C) CLOTHING
- D) PERSONAL
- E) ELECTRIC
- F) FUNDS OUT
- G) GROCERIES
- H) HEATING
- I) INSURANCE
- J) CONTRIBUTNS
- K) HOUSEHOLD
- L) LOANS

M) MORTGAGE
 N) MEDICAL
 O) OFFICE
 P) POSTAGE
 Q) MATERIALS
 R) OTHER EXP.
 S) SAVINGS
 T) TELEPHONE
 U) UNIFORMS
 V) VACATION
 W) WATER/SEWER
 X) HOME EXP.

 Y) PAY CHECK
 Z) BUS. INCOME
 #) OTHER
 \$) CASH/GIFTS

Under "BANK EXPense" I enter all interest and other costs paid to banks with which I deal. Under "PERSONAL" all moneys spend for personal use. "FUNDS OUT" all checks written for cash for which I can not find another slot. "CONTRIBUTNS" all moneys donated (Churches, Red Cross etc.). "HOUSEHOLD" all expense inside the home (Furniture etc.). "HOME EXP." all moneys spend for the actual upkeep of the structure, including lawn care etc.

The last four (Y-Z-#-\$) are of the income variety, where you should enter all incoming funds. This program can easely be adapted for business use as well. Be aware that titles can only be 11 CHR\$ long, if you enter a longer title it will be truncated. Also there is no need to enter point and cents when entering a dolar amount only, the program will self-complete (add the zeros & point) it for you in all instances. If you do not wish, or do not need to use all 24 debit accounts, or all 4 income accounts, just enter either the zero or asteric when done. In almost all instances you can also bug out of a feature by just entering a zero. Should the program get hung up for some reason, just break to basic and enter "GO TO MENU", this will get you back to the main menu screen.

Lets look at the Main Menu and all the features next.

```
***CHECKBOOK & BUDGET MANAGER***
****MISSISSIPPI****
***** 500 TRANSACTIONS LEFT ****
PRESS
```

- 1) TO VIEW STATUS & ACCOUNTS
- 2) TO ENTER CHECKS (DEBITS)
- 3) TO ENTER DEPOSITS (CREDITS)
- 4) TO LIST TRANSACTIONS
- 5) TO BALANCE ACCOUNT
- 6) TO RESET ACCOUNTS
- 7) TO SAVE OR LOAD DATA

LAST UPDATE - NEW REGISTER

TODAYS DATE - 7.25.90

ENTER CHOICE <1 TO 7>

Under the header you will find the numbers of transactions you can still enter into the program. On the bottom below the window you will see the date when you last updated the program, and naturally below that, todays date. Now press:

- 1) TO VIEW STATUS & ACCOUNTS

This will give you, on the first screen, the number of entries you have made to date, the last check number entered, the last deposit number entered, the date of your last entry, and of course your present balance. To have a look at, or make a change to any account, press any key other than the zero key now.

This next screen will give you also a few options to choose from. To just view an account, press "V", but if you would like to make a change to an account, press "C", this can be done even after you made entries into the program, but keep in mind that all amounts "spent" under this category will stay deducted from this account. The last feature permits you to re-format all accounts but do this only if you'r not satisfied with what you have entered in the beginning, or at the end of a year when you clear all entries.

If you'r up to it, press "V" now to view some accounts which you have

entered.

If you press now either 2), or 3) to enter a debit or a credit, you will see on the screen your last entry or deposit number, below it your present balance, and at the lower right side the present transaction number. Checks usually start with the number "100" and go up from there, use numbers below 100 for deposit numbers, this is important. For special "none check" entries, such as automatic deductions etc. you could use numbers like "9999", or "1111" if you are not likely to enter either check number during the entry period.

Should you have made a mistake while making a line-entry, but have pressed the enter key already, you will be able to get back to correct such entry by entering the "*" while in line entry mode, you could work your way all the way back to the first entry, but you would have to re-enter all the following entries again.

When entering the date, use the month/day format, numbers only like "7/22" or "7.22". Do not enter the year!!!

Description or source names can only be 12 CHR\$ long. The program will also restrict you to \$ entries up to 99999.99 sorry about that (but this is a "poor folk" program). Another quirk, do not put a comma after thousands, as; 99,999.99 just enter "99999.99".

Finally after you completed the line entry, enter the category, using the letter in front of it. You may also enter the CHR\$ "=" if you like to have a peek at the account first, nothing will happen to your entry. Just pressing <ENTER> will bypass the budget account deduction (for cheats). When you are done with all entries you wish to make, enter a zero, this will get you back to the main menu.

To list all or some transactions you have entered, press 4). Here you have a few options as well, just follow the prompts.

5) TO BALANCE ACCOUNTS; will let you do just that, but only after you have your statement from the bank to compare. just follow the prompts and read the instructions on the screen to get through it.

Now to the last few features:

6) TO RESET ACCOUNTS: The screen will give the following options:

- 1) clear all data ?
- 2) clear check-data, but keep budget-accounts intact ?
- 3) reset amounts spent to "0"

Clear all data, means just that, it will clear all data variables, check-data to budget-accounts, and start you out from scratch.

Clear check-data, but keep budget accounts intact, will clear only the check and deposit entries. Amounts spent, or the budget accounts will not be erased.

But if you would choose to have the amounts spent on each budget account set back to zero, the last option will take care of it.

Clear check data and reset amounts spend to zero are the two functions you should use at years end to restart for a new period. This would keep the Budget Accounts names intact and also the amount budgeted for each. Adjustments to the amount budgeted can be handled via feature # 1).

The save and load feature is straight forward, so I wont comment on it. Should you have another storage device, other than disk, tape, or micro-drive (Interface 1), change the basic lines written for the micro-drives to suit your storage device.

I hope all the above will help you when using this program and good luck with it.

Till next time, R.A. Hilsmann

THE PRESIDENTS PROGRAM

I hope that unlike some purchased programs, I will not have a great title and don't produce as promised. I pledge to TRY to get some outside demos that are of interest to us as a group. Along this line I hope to ask vendors to participate along with you.

I would like to have some type of dog and pony show at each meeting. Maybe a demo of a program, or a show of how to handle a soldering iron, or how to lay out a program. What kind of thing can you teach our members? Maybe you can tell us what not to do. We have a lot of talent out there and I hope to tap some, if not all, of it. Both the speaker and the others can learn from both your successes and failures. I will try to arrange for any items you may need.

Need notices of any upcoming fests or expos. Anyone know of any?

Dayton Computerfest '90. Dayton Ohio, August 25 - 26. Admission \$3 per day. Mara Conference & Exhibition Center 1001 Shiloh Springs Rd. 513-293-FEST.

NEW QL 'OPEN'

In writting a program for the QL I found a new, at least to me, open. The command will allow you to open for the creation of a new file without name error checking. In other words if the name is there it will overwrite the current name file's data with the new data. This can be important in the case of a backup where the new file and the old are the same name but you don't want the program to stop on a duplicate file name.

This instruction is from toolkit II and to use it you must have it.

This instruction joins the other opens and they are OPEN #x, OPEN_IN #x, and OPEN_NEW #x. There is one other and it is OPEN_DIR. It is used to find an unused channel.

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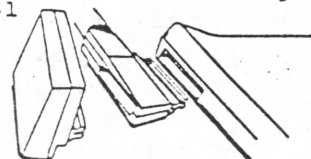
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OPEN COMMANDS

The following are some examples of the open commands. I hope they help. I have't included the OPEN_DIR as I have never used it but I will try it for next month.

The OPEN #x command.

OPEN #12,con_236x22a20x15

This command will open a section of the screen so when channel 12 is written to that area will display it.

The OPEN_OVER #x command.

OPEN_OVER #7,flp1_reservations_bac

This command will open the file for update. One difference is this command will not stop if the file name already exists so beware if you use it.

The OPEN_NEW #x command.

OPEN_OVER #7,flp1_reservation

This command will open a new file with an error check to see if the file does exist. If it does then halt.

The OPEN_IN #x command.

OPEN_IN #7,'reservation'

This command will open an existing file for update only. You can read each record but can't write.

A couple of other things with the open is the different things you can do with the command. The OPEN command can open a file, a channel or a device. The prior illustration opens a window on the screen. If you wish to open a file use OPEN #7,flp1'reservation'. If a device, such as the printer is wanted use OPEN #3,ser. This will open channel 3 as a serial port.

If you use the OPEN to the con or scr remember you still must define a the window also. To read a file use the INPUT command. INPUT #7,aaaa\$ where aaa\$ is a storage area. To write use the PRINT command. PRINT #7,aaaa\$ again aaa\$ is a storage area.

Is the OKIMATE 20
the ULTIMATE
TS2068 printer?



USE W/AERCO PRINTER I/F? Yes, if
an IBM parallel Plug 'n Print cartridge is used.

OKI 20 FEATURES? The OKI 20 can print in
NLB, draft, pica, elite, fine, double width, italics, sub/
superscript, & underline. Plain or thermal paper (tractor/
friction feed) or acetate transparencies can be used.

COLOR SCREENS HARD-COPY? Yes!!
"COLOR COPY" supports FULL COLOR and b/w SCREENS dumps &
"PAINT & COPY" features HI-RES MODE coloring and copying.

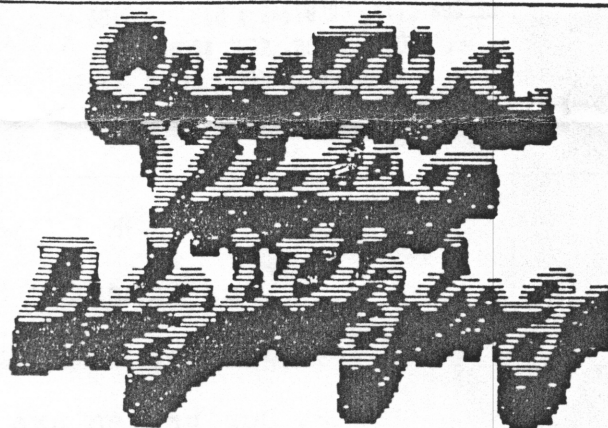
CUSTOM CHARACTER SETS? Yes, downline
loadable character sets of custom characters and graphics
can be designed and transferred to an OKI 20. The utility
software "OKI D.L.C.G." allows for easy design of custom
char. sets and "OKI D.L.P.G." can transform a portion of a
SCREENS picture into a downline loadable character set.

OKIMATE 20 EXPENSIVE? No, the OKI 20
& Plug 'n Print cart. are widely available for about \$180.

For a print sample, info. on 2068 software for the OKI 20,
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Or In Otherwords The Meeting

Well again we had a lightly attended meeting. I hope it was the weather and not that you didn't know the special meeting date. If you didn't know it was my failure to get the information to you. Please notice there is a special date for August also. Other than the elections we talked about the digitizer. We are down to the last few boards and a decision must be made to order more or just forget it until there are enough orders.

We also discussed other items such as wrapping up the Expo profit/loss sheet and what to do with the Zebra items.

Well I hope to see you at the next meeting, MONDAY August 6th. After this

meeting we will be back on track with the first Monday of the month meetings so mark your calendars.

PROGRAMMING IDEA

Make a series of small procedures and save them for merging with the basic program you are writing. These proc's should be code you use more than once. Some examples;

```
DEF PROC window_11
  REM explain proc
  WINDOW #11,512,256,0,0
  BORDER #11,5,0,7
  RETURN
END DEF
```

This procedure will define a window with a border.

```
DEF PROC find_last_entry
  FOR n=1 to m
  INPUT #7,m$(n,1 to 300)
  IF m$(n, 1 to 7)=' ' then m=
    (n-1): n=501
  NEXT n
  RETURN
END DEF
```

This procedure will read a file until the last record is found. The record number is stored in n. The dimension is 300x500. The dimension and m must be defined and the file must have been opened either input or input/output.

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Editor and contact person is:

Bill Heberlein (414) 527 2191.

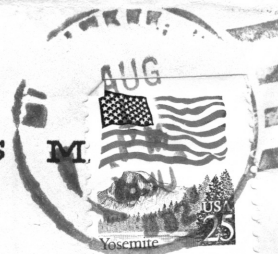
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FIRST CLASS M



The next meeting of SMUG will be held on:
Monday, August 6, 1990

6pm Set Up
6:30 Demo Of New QL Programs
7:30 Business Meeting
8:30 Election Of Treasurer
9:00 What's Up Next Year
10:30 Clean Up

Location:
Equitable Savings and Loan,
145th and Capital Drive,
Milwaukee